

From the
INTERNATIONAL SEARCHING AUTHORITY

To: J. PAUL PLUMMER EXXONMOBIL UPSTREAM RESEARCH COMPANY CORP-URC-SW348				PCT WRITTEN OPINION OF THE				
PO BOX 2189 HOUSTON, TX 77252-2189				INTERNATIONAL SEARCHING AUTHORITY				
HOUSTON, TX TYDE ZIOS				(PCT Rule 43bis.1)				
				Date of mailing (day/month/year) 13 JAN 2005				
Applicant's or agent's file reference				FOR FURTHER ACTION See paragraph 2 below				
2003UR03				(day/month/year) Priority date (day/month/year)				
Internation	nal application No	о.	International filing date					
PCT/US04/29831			14 September 2004 (14.	.09.2004) 15 September 2003 (15.09.2003)				
International Patent Classification (IPC) or both national classification and IPC								
IPC(7): F16K 31/143, 31/163, 31/368, 31/383 and US Cl.: 251/63, 63.5, 63.6								
Applicant								
EXXONMOBIL UPSTREAM RESEARCH COMPANY								
1. This opinion contains indications relating to the following items:								
	Box No. I Basis of the opinion							
	Box No. II Priority							
	Box No. III	II Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
	Box No. IV	Lack of unity of invention						
	Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
	Box No. VI	Certain documents cited						
	Box No. VII	Certain defects in the international application						
	Box No. VIII	Certain obs	servations on the internation	onal application				
2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis (b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.								
For further options, see Form PCT/ISA/220.								
3. For further details, see notes to Form PCT/ISA/220.								
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Form PCT/ISA/237 (cover sheet) (January 2004)



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International application No.

PCT/US04/29831

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Box No. I Basis of this opinion								
1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.								
This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).								
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:								
a. type of material								
a sequence listing								
table(s) related to the sequence listing								
table(s) related to the sequence rising								
b. format of material								
in written format								
in computer readable form								
c. time of filing/furnishing								
c. time of filing/furnishing contained in international application as filed.								
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filed together with the international application in computer readable form.								
furnished subsequently to this Authority for the purposes of search.								
In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.								
4. Additional comments:								



International application No.

PCT/US04/29831

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Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement

applicability; citations and explan	ations supp	orung such statement					
1. Statement			1				
Novelty (N)	Claims	1-10	YES				
		NONE	NO				

Inventive step (IS)	Claims		YES NO				
	Claims	NONE	NU				
Industrial and liability (IA)	Claims	1-10	YES				
Industrial applicability (IA)		NONE	NO				
	Chamilo						
2. Citations and explanations:							
Claims 1-10 meet the criteria set out in PCT Article 2,199,549 (Saunders) discloses a valve body (1), cav 1), an outlet (the left side of housing 1), a valve seat the outer region surrounding the bore.	itv (10) a ret	aining cap (13), a central bore 0), an illie	t (the utility side of mousing				
Claims 1-10 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.							
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